Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Improvements of roads for layout where the Cauvery and UGD works are in progress in Ward No.05 and Ward No.06 Byatarayanapura Sub Division

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3 (P.No-142, I No-19.1)								
WARD -06								
Bhuvaneshwari Nagara								
8th cross	1.00	270.00	1.55	0.400	167.40			
9th cross	1.00	265.00	1.55	0.400	164.30			
14th cross	1.00	280.00	1.55	0.400	173.60			
15th cross	1.00	270.00	1.55	0.400	167.40			
16th cross	1.00	270.00	1.55	0.400	167.40			
17th cross	1.00	280.00	1.55	0.400	173.60			
Maruthi Nagara				0.400				
12th cross	1.00	230.00	1.70	0.400	156.40			
14th cross to 12th cross	1.00	55.00	1.70	0.400	37.40			
11th cross	1.00	90.00	1.60	0.400	57.60			
12th cross to 9th cross	1.00	110.00	1.70	0.400	74.80			
10th cross	1.00	50.00	1.70	0.400	34.00			
9th cross	1.00	100.00	1.70	0.400	68.00			
8th cross	1.00	300.00	1.70	0.400	204.00			
9th cross	1.00	250.00	1.70	0.400	170.00			
10th cross	1.00	250.00	1.70	0.400	170.00			
11th cross	1.00	250.00	1.70	0.400	170.00			
12th cross	1.00	450.00	1.70	0.400	306.00			
13th cross	1.00	270.00	1.70	0.400	183.60			
1st Main	1.00	630.00	1.70	0.400	428.40			
Cross roads	3.00	200.00	1.70	0.400	408.00			
14th cross	1.00	140.00	1.70	0.400	95.20			
Hegdenagara								
8th cross	1.00	210.00	1.75	0.400	147.00			
12th cross	1.00	240.00	1.75	0.400	168.00			
13th cross	1.00	240.00	1.75	0.400	168.00			
14th cross	1.00	240.00	1.75	0.400	168.00			
1st cross	1.00	450.00	1.75	0.400	315.00			
2nd Cross	1.00	450.00	1.75	0.400	315.00			
3rd cross	1.00	420.00	1.75	0.400	294.00			
4th cross	1.00	450.00	1.75	0.400	315.00			
5th cross	1.00	450.00	1.75	0.400	315.00			
6th cross	1.00	450.00	1.75	0.400	315.00			
7th cross	1.00	450.00	1.75	0.400	315.00			
8th cross	1.00	450.00	1.75	0.400	315.00			
9th cross	1.00	210.00	1.75	0.400	147.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	10th cross	1.00	230.00	1.75	0.400	161.00			
	11th cross	1.00	230.00	1.75	0.400	161.00			
	Shabarinagar			1.75	0.400				
	Shabarinagar main road	1.00	600.00	1.75	0.400	420.00			
	1st cross	1.00	90.00	1.75	0.400	63.00			
	2nd cross	1.00	50.00	1.75	0.400	35.00			
	3rd cross	1.00	50.00	1.75	0.400	35.00			
	4th cross	1.00	50.00	1.75	0.400	35.00			
	1st main	1.00	270.00	1.75	0.400	189.00			
	2nd main	1.00	150.00	1.75	0.400	105.00			
	3rd main	1.00	235.00	1.75	0.400	164.50			
	4th main	1.00	172.00	1.75	0.400	120.40			
	5th main	1.00	166.00	1.75	0.400	116.20			
	1st cross	1.00	176.00	1.75	0.400	123.20			
	2nd cross	1.00	169.00	1.75	0.400	118.30			
	3rd cross	1.00	154.00	1.75	0.400	107.80			
	Kaverinagar								
	1st cross	1.00	170.00	1.75	0.400	119.00			
	2nd cross	1.00	45.00	1.75	0.400	31.50			
	3rd cross	1.00	188.00	1.75	0.400	131.60			
	4th cross	1.00	162.00	1.75	0.400	113.40			
	5th cross	1.00	157.00	1.75	0.400	109.90			
	over burden earth	8.00	54.70	1.95	0.400	341.33			
	WARD -05								
	Kogilu Main Road								
	Main road	1.00	1000.00	2.50	0.400	1000.00			
	Niranthara layout								
	1st cross	1.00	350.00	1.75	0.400	245.00			
	2nd cross	1.00	350.00	1.75	0.400	245.00			
	3rd cross	1.00	350.00	1.75	0.400	245.00			
	4th cross	1.00	300.00	1.75	0.400	210.00			
	5th cross	1.00	250.00	1.75	0.400	175.00			
	2nd main	1.00	300.00	1.75	0.400	210.00			
	Cross roads	3.00	150.00	1.75	0.400	315.00			
	Babanagar								
	1st main	1.00	350.00	1.80	0.400	252.00			
	1st A main	1.00	175.00	1.80	0.400	126.00			
	2nd main	1.00	350.00	1.80	0.400	252.00			
	3rd main	1.00	160.00	1.80	0.400	115.20			
	4th main	1.00	155.00	1.80	0.400	111.60			
	5th main	1.00	150.00	1.80	0.400	108.00			
	6th main	1.00	156.00	1.80	0.400	112.32			
	7th main	1.00	180.00	1.80	0.400	129.60			
	Kattigenahalli								
	Concrete road								
	Cross roads	1.00	60.00	0.90	0.400	21.60			
	Cross roads	1.00	52.00	0.90	0.400	18.72			
	Cross roads	1.00	35.00	0.90	0.400	12.60			
	Cross roads	1.00	95.00	0.90	0.400	34.20			
	Cross roads	1.00	160.00	0.90	0.400	57.60			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Cross roads	1.00	45.00	0.90	0.400	16.20			
	Cross roads	1.00	70.00	0.90	0.400	25.20			
	Cross roads	1.00	56.00	0.90	0.400	20.16			
		1.00	240.00	0.90	0.400	86.40			
		1.00	240.00	0.90	0.400	86.40			
		1.00	240.00	0.90	0.400	86.40			
		1.00	240.00	0.90	0.400	86.40			
		1.00	240.00	0.90	0.400	86.40			
		1.00	240.00	0.90	0.400	86.40			
		1.00	240.00	0.90	0.400	86.40			
		1.00	240.00	0.90	0.400	86.40			
		1.00	240.00	0.90	0.400	86.40			
		1.00	240.00	0.90	0.400	86.40			
	Palanahalli								
	Cross roads	1.00	90.00	0.90	0.400	32.40			
	Cross roads	1.00	65.00	0.90	0.400	23.40			
	Cross roads	1.00	78.00	0.90	0.400	28.08			
	Cross roads	1.00	56.00	0.90	0.400	20.16			
	Cross roads	1.00	90.00	0.90	0.400	32.40			
	Cross roads	1.00	65.00	0.90	0.400	23.40			
	Noornagar								
	Main road	1.00	208.00	0.90	0.400	74.88			
	1ST Cross	1.00	69.00	0.90	0.400	24.84			
	2nd Cross	1.00	75.00	0.90	0.400	27.00			
	3rd Cross	1.00	76.00	0.90	0.400	27.36			
	4th Cross	1.00	73.00	0.90	0.400	26.28			
	5th Cross	1.00	71.00	0.90	0.400	25.56			
	6th Cross	1.00	72.00	0.90	0.400	25.92			
	7th Cross	1.00	74.00	0.90	0.400	26.64			
	8th Cross	1.00	68.00	0.90	0.400	24.48			
	9th Cross	1.00	48.00	0.90	0.400	17.28			
		1.00	330.00	0.90	0.400	118.80			
		1.00	330.00	0.90	0.400	118.80			
		1.00	330.00	0.90	0.400	118.80			
		1.00	330.00	0.90	0.400	118.80			
		1.00	330.00	0.90	0.400	118.80			
		1.00	330.00	0.90	0.400	118.80			
		1.00	330.00	0.90	0.400	118.80			
		1.00	330.00	0.90	0.400	118.80			
		1.00	330.00	0.90	0.400	118.80			
		1.00	330.00	0.90	0.400	118.80			
	Basic rate	82.00							
	Area weightage 6%	4.92							
	10km lead and lift	100.00							
	Sub total	**186.92**							
						16245.36	**Cum**	**186.92**	**3036582.69**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
2	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to **wet mix** macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No-158, I No-20.18)								
	WARD -06								
	Bhuvaneshwari Nagara								
	8th cross	1.00	270.00	1.55	0.225	94.16			
	9th cross	1.00	265.00	1.55	0.225	92.42			
	14th cross	1.00	280.00	1.55	0.225	97.65			
	15th cross	1.00	270.00	1.55	0.225	94.16			
	16th cross	1.00	270.00	1.55	0.225	94.16			
	17th cross	1.00	280.00	1.55	0.225	97.65			
	Maruthi Nagara								
	12th cross	1.00	230.00	1.70	0.225	87.98			
	14th cross to 12th cross	1.00	55.00	1.70	0.225	21.04			
	11th cross	1.00	90.00	1.60	0.225	32.40			
	12th cross to 9th cross	1.00	110.00	1.70	0.225	42.08			
	10th cross	1.00	50.00	1.70	0.225	19.13			
	9th cross	1.00	100.00	1.70	0.225	38.25			
	8th cross	1.00	300.00	1.70	0.225	114.75			
	9th cross	1.00	250.00	1.70	0.225	95.63			
	10th cross	1.00	250.00	1.70	0.225	95.63			
	11th cross	1.00	250.00	1.70	0.225	95.63			
	12th cross	1.00	450.00	1.70	0.225	172.13			
	13th cross	1.00	270.00	1.70	0.225	103.28			
	1st Main	1.00	630.00	1.70	0.225	240.98			
	Cross roads	3.00	200.00	1.70	0.225	229.50			
	14th cross	1.00	140.00	1.70	0.225	53.55			
	Hegdenagara								
	8th cross	1.00	210.00	1.75	0.225	82.69			
	12th cross	1.00	240.00	1.75	0.225	94.50			
	13th cross	1.00	240.00	1.75	0.225	94.50			
	14th cross	1.00	240.00	1.75	0.225	94.50			
	1st cross	1.00	450.00	1.75	0.225	177.19			
	2nd Cross	1.00	450.00	1.75	0.225	177.19			
	3rd cross	1.00	420.00	1.75	0.225	165.38			
	4th cross	1.00	450.00	1.75	0.225	177.19			
	5th cross	1.00	450.00	1.75	0.225	177.19			
	6th cross	1.00	450.00	1.75	0.225	177.19			
	7th cross	1.00	450.00	1.75	0.225	177.19			
	8th cross	1.00	450.00	1.75	0.225	177.19			
	9th cross	1.00	210.00	1.75	0.225	82.69			
	10th cross	1.00	230.00	1.75	0.225	90.56			
	11th cross	1.00	230.00	1.75	0.225	90.56			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Shabarinagar								
	Shabarinagar main road	1.00	600.00	1.75	0.225	236.25			
	1st cross	1.00	90.00	1.75	0.225	35.44			
	2nd cross	1.00	50.00	1.75	0.225	19.69			
	3rd cross	1.00	50.00	1.75	0.225	19.69			
	4th cross	1.00	50.00	1.75	0.225	19.69			
	1st main	1.00	270.00	1.75	0.225	106.31			
	2nd main	1.00	150.00	1.75	0.225	59.06			
	3rd main	1.00	235.00	1.75	0.225	92.53			
	4th main	1.00	172.00	1.75	0.225	67.73			
	5th main	1.00	166.00	1.75	0.225	65.36			
	1st cross	1.00	176.00	1.75	0.225	69.30			
	2nd cross	1.00	169.00	1.75	0.225	66.54			
	3rd cross	1.00	154.00	1.75	0.225	60.64			
	Kaverinagar								
	1st cross	1.00	170.00	1.75	0.225	66.94			
	2nd cross	1.00	45.00	1.75	0.225	17.72			
	3rd cross	1.00	188.00	1.75	0.225	74.03			
	4th cross	1.00	162.00	1.75	0.225	63.79			
	5th cross	1.00	157.00	1.75	0.225	61.82			
	WARD -05								
	Kogilu Main Road								
	Main road	1.00	1000.00	2.50	0.225	562.50			
	Niranthara layout								
	1st cross	1.00	350.00	1.75	0.225	137.81			
	2nd cross	1.00	350.00	1.75	0.225	137.81			
	3rd cross	1.00	350.00	1.75	0.225	137.81			
	4th cross	1.00	300.00	1.75	0.225	118.13			
	5th cross	1.00	250.00	1.75	0.225	98.44			
	2nd main	1.00	300.00	1.75	0.225	118.13			
	Cross roads	3.00	150.00	1.75	0.225	177.19			
	Babanagar								
	1st main	1.00	350.00	1.80	0.225	141.75			
	1st A main	1.00	175.00	1.80	0.225	70.88			
	2nd main	1.00	350.00	1.80	0.225	141.75			
	3rd main	1.00	160.00	1.80	0.225	64.80			
	4th main	1.00	155.00	1.80	0.225	62.78			
	5th main	1.00	150.00	1.80	0.225	60.75			
	6th main	1.00	156.00	1.80	0.225	63.18			
	7th main	1.00	180.00	1.80	0.225	72.90			
	Basic rate	1668.00							
	Area weightage 6%	100.08							
	Sub total	**1768.08**							
						7416.56	**Cum**	**1768.08**	**13113071.40**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
3	KSRRB 500-6.Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. (P.No-161,I No-21.6)								
	WARD -06								
	Bhuvaneshwari Nagara								
	8th cross	1.00	270.00	1.60		432.00			
	9th cross	1.00	265.00	1.60		424.00			
	14th cross	1.00	280.00	1.60		448.00			
	15th cross	1.00	270.00	1.60		432.00			
	16th cross	1.00	270.00	1.60		432.00			
	17th cross	1.00	280.00	1.60		448.00			
	Maruthi Nagara					0.00			
	12th cross	1.00	230.00	1.75		402.50			
	14th cross to 12th cross	1.00	55.00	1.75		96.25			
	11th cross	1.00	90.00	1.75		157.50			
	12th cross to 9th cross	1.00	110.00	1.75		192.50			
	10th cross	1.00	50.00	1.75		87.50			
	9th cross	1.00	100.00	1.75		175.00			
	8th cross	1.00	300.00	1.75		525.00			
	9th cross	1.00	250.00	1.75		437.50			
	10th cross	1.00	250.00	1.75		437.50			
	11th cross	1.00	250.00	1.75		437.50			
	12th cross	1.00	450.00	1.75		787.50			
	13th cross	1.00	270.00	1.75		472.50			
	1st Main	1.00	630.00	1.75		1102.50			
	Cross roads	3.00	200.00	1.75		1050.00			
	14th cross	1.00	140.00	1.75		245.00			
	Hegdenagara								
	8th cross	1.00	210.00	1.80		378.00			
	12th cross	1.00	240.00	1.80		432.00			
	13th cross	1.00	240.00	1.80		432.00			
	14th cross	1.00	240.00	1.80		432.00			
	1st cross	1.00	450.00	1.80		810.00			
	2nd Cross	1.00	450.00	1.80		810.00			
	3rd cross	1.00	420.00	1.80		756.00			
	4th cross	1.00	450.00	1.80		810.00			
	5th cross	1.00	450.00	1.80		810.00			
	6th cross	1.00	450.00	1.80		810.00			
	7th cross	1.00	450.00	1.80		810.00			
	8th cross	1.00	450.00	1.80		810.00			
	9th cross	1.00	210.00	1.80		378.00			
	10th cross	1.00	230.00	1.80		414.00			
	11th cross	1.00	230.00	1.80		414.00			
	Shabarinagar								
	Shabarinagar main road	1.00	600.00	1.80		1080.00			
	1st cross	1.00	90.00	1.80		162.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	2nd cross	1.00	50.00	1.80		90.00			
	3rd cross	1.00	50.00	1.80		90.00			
	4th cross	1.00	50.00	1.80		90.00			
	1st main	1.00	270.00	1.80		486.00			
	2nd main	1.00	150.00	1.80		270.00			
	3rd main	1.00	235.00	1.80		423.00			
	4th main	1.00	172.00	1.80		309.60			
	5th main	1.00	166.00	1.80		298.80			
	1st cross	1.00	176.00	1.80		316.80			
	2nd cross	1.00	169.00	1.80		304.20			
	3rd cross	1.00	154.00	1.80		277.20			
	Kaverinagar								
	1st cross	1.00	170.00	1.80		306.00			
	2nd cross	1.00	45.00	1.80		81.00			
	3rd cross	1.00	188.00	1.80		338.40			
	4th cross	1.00	162.00	1.80		291.60			
	5th cross	1.00	157.00	1.80		282.60			
	WARD -05								
	Kogilu Main Road								
	Main road	1.00	1000.00	2.50		2500.00			
	Niranthara layout								
	1st cross	1.00	350.00	1.80		630.00			
	2nd cross	1.00	350.00	1.80		630.00			
	3rd cross	1.00	350.00	1.80		630.00			
	4th cross	1.00	300.00	1.80		540.00			
	5th cross	1.00	250.00	1.80		450.00			
	2nd main	1.00	300.00	1.80		540.00			
	Cross roads	3.00	150.00	1.80		810.00			
	Babanagar								
	1st main	1.00	350.00	1.80		630.00			
	1st A main	1.00	175.00	1.80		315.00			
	2nd main	1.00	350.00	1.80		630.00			
	3rd main	1.00	160.00	1.80		288.00			
	4th main	1.00	155.00	1.80		279.00			
	5th main	1.00	150.00	1.80		270.00			
	6th main	1.00	156.00	1.80		280.80			
	7th main	1.00	180.00	1.80		324.00			
	Basic rate	26.00							
	Area weightage 6%	1.56							
	Sub total	**27.56**							
						33772.50	**sqm**	**27.56**	**930770.10**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
4	KSRRB M500-19. Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder a and filler, transporting the hot mix to work site, laying with a paver finisher with to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects as per specifications. using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-ll (30 mm to 45 mm) with 5.4 % VG-30 Bitumen(P.No-165,I No-21.22.6)								
	WARD -06								
	Bhuvaneshwari Nagara								
	8th cross	1.00	270.00	1.60	0.04	17.28			
	9th cross	1.00	265.00	1.60	0.04	16.96			
	14th cross	1.00	280.00	1.60	0.04	17.92			
	15th cross	1.00	270.00	1.60	0.04	17.28			
	16th cross	1.00	270.00	1.60	0.04	17.28			
	17th cross	1.00	280.00	1.60	0.04	17.92			
	Maruthi Nagara								
	12th cross	1.00	230.00	1.75	0.04	16.10			
	14th cross to 12th cross	1.00	55.00	1.75	0.04	3.85			
	11th cross	1.00	90.00	1.75	0.04	6.30			
	12th cross to 9th cross	1.00	110.00	1.75	0.04	7.70			
	10th cross	1.00	50.00	1.75	0.04	3.50			
	9th cross	1.00	100.00	1.75	0.04	7.00			
	8th cross	1.00	300.00	1.75	0.04	21.00			
	9th cross	1.00	250.00	1.75	0.04	17.50			
	10th cross	1.00	250.00	1.75	0.04	17.50			
	11th cross	1.00	250.00	1.75	0.04	17.50			
	12th cross	1.00	450.00	1.75	0.04	31.50			
	13th cross	1.00	270.00	1.75	0.04	18.90			
	1st Main	1.00	630.00	1.75	0.04	44.10			
	Cross roads	3.00	200.00	1.75	0.04	42.00			
	14th cross	1.00	140.00	1.75	0.04	9.80			
	Hegdenagara								
	8th cross	1.00	210.00	1.80	0.04	15.12			
	12th cross	1.00	240.00	1.80	0.04	17.28			
	13th cross	1.00	240.00	1.80	0.04	17.28			
	14th cross	1.00	240.00	1.80	0.04	17.28			
	1st cross	1.00	450.00	1.80	0.04	32.40			
	2nd Cross	1.00	450.00	1.80	0.04	32.40			
	3rd cross	1.00	420.00	1.80	0.04	30.24			
	4th cross	1.00	450.00	1.80	0.04	32.40			
	5th cross	1.00	450.00	1.80	0.04	32.40			
	6th cross	1.00	450.00	1.80	0.04	32.40			
	7th cross	1.00	450.00	1.80	0.04	32.40			
	8th cross	1.00	450.00	1.80	0.04	32.40			
	9th cross	1.00	210.00	1.80	0.04	15.12			
	10th cross	1.00	230.00	1.80	0.04	16.56			
	11th cross	1.00	230.00	1.80	0.04	16.56			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Shabarinagar								
Shabarinagar main road	1.00	600.00	1.80	0.04	43.20			
1st cross	1.00	90.00	1.80	0.04	6.48			
2nd cross	1.00	50.00	1.80	0.04	3.60			
3rd cross	1.00	50.00	1.80	0.04	3.60			
4th cross	1.00	50.00	1.80	0.04	3.60			
1st main	1.00	270.00	1.80	0.04	19.44			
2nd main	1.00	150.00	1.80	0.04	10.80			
3rd main	1.00	235.00	1.80	0.04	16.92			
4th main	1.00	172.00	1.80	0.04	12.38			
5th main	1.00	166.00	1.80	0.04	11.95			
1st cross	1.00	176.00	1.80	0.04	12.67			
2nd cross	1.00	169.00	1.80	0.04	12.17			
3rd cross	1.00	154.00	1.80	0.04	11.09			
Kaverinagar								
1st cross	1.00	170.00	1.80	0.04	12.24			
2nd cross	1.00	45.00	1.80	0.04	3.24			
3rd cross	1.00	188.00	1.80	0.04	13.54			
4th cross	1.00	162.00	1.80	0.04	11.66			
5th cross	1.00	157.00	1.80	0.04	11.30			
WARD -05								
Kogilu Main Road								
Main road	1.00	1000.00	2.50	0.04	100.00			
Niranthara layout								
1st cross	1.00	350.00	1.80	0.04	25.20			
2nd cross	1.00	350.00	1.80	0.04	25.20			
3rd cross	1.00	350.00	1.80	0.04	25.20			
4th cross	1.00	300.00	1.80	0.04	21.60			
5th cross	1.00	250.00	1.80	0.04	18.00			
2nd main	1.00	300.00	1.80	0.04	21.60			
Cross roads	3.00	150.00	1.80	0.04	32.40			
Babanagar								
1st main	1.00	350.00	1.80	0.04	25.20			
1st A main	1.00	175.00	1.80	0.04	12.60			
2nd main	1.00	350.00	1.80	0.04	25.20			
3rd main	1.00	160.00	1.80	0.04	11.52			
4th main	1.00	155.00	1.80	0.04	11.16			
5th main	1.00	150.00	1.80	0.04	10.80			
6th main	1.00	156.00	1.80	0.04	11.23			
7th main	1.00	180.00	1.80	0.04	12.96			
Basic rate	6683.00							
Area weightage 6%	400.98							
Sub total	**7083.98**				**1350.90**	**Cum**	**7083.98**	**9569748.58**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
5	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No-12,I No-4.2)								
	Kattigenahalli								
	Concrete road								
	Cross roads	1.00	60.00	0.90	0.10	5.40			
	Cross roads	1.00	52.00	0.90	0.10	4.68			
	Cross roads	1.00	35.00	0.90	0.10	3.15			
	Cross roads	1.00	95.00	0.90	0.10	8.55			
	Cross roads	1.00	160.00	0.90	0.10	14.40			
	Cross roads	1.00	45.00	0.90	0.10	4.05			
	Cross roads	1.00	70.00	0.90	0.10	6.30			
	Cross roads	1.00	56.00	0.90	0.10	5.04			
		1.00	240.00	0.90	0.10	21.60			
		1.00	240.00	0.90	0.10	21.60			
		1.00	240.00	0.90	0.10	21.60			
		1.00	240.00	0.90	0.10	21.60			
		1.00	240.00	0.90	0.10	21.60			
		1.00	240.00	0.90	0.10	21.60			
		1.00	240.00	0.90	0.10	21.60			
		1.00	240.00	0.90	0.10	21.60			
		1.00	240.00	0.90	0.10	21.60			
		1.00	240.00	0.90	0.10	21.60			
	Palanahalli								
	Cross roads	1.00	90.00	0.90	0.10	8.10			
	Cross roads	1.00	65.00	0.90	0.10	5.85			
	Cross roads	1.00	78.00	0.90	0.10	7.02			
	Cross roads	1.00	56.00	0.90	0.10	5.04			
	Cross roads	1.00	90.00	0.90	0.10	8.10			
	Cross roads	1.00	65.00	0.90	0.10	5.85			
	Noornagar								
	Main road	1.00	208.00	0.90	0.10	18.72			
	1ST Cross	1.00	69.00	0.90	0.10	6.21			
	2nd Cross	1.00	75.00	0.90	0.10	6.75			
	3rd Cross	1.00	76.00	0.90	0.10	6.84			
	4th Cross	1.00	73.00	0.90	0.10	6.57			
	5th Cross	1.00	71.00	0.90	0.10	6.39			
	6th Cross	1.00	72.00	0.90	0.10	6.48			
	7th Cross	1.00	74.00	0.90	0.10	6.66			
	8th Cross	1.00	68.00	0.90	0.10	6.12			
	9th Cross	1.00	48.00	0.90	0.10	4.32			
		1.00	330.00	0.90	0.10	29.70			
		1.00	330.00	0.90	0.10	29.70			
		1.00	330.00	0.90	0.10	29.70			
		1.00	330.00	0.90	0.10	29.70			
		1.00	330.00	0.90	0.10	29.70			
		1.00	330.00	0.90	0.10	29.70			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		1.00	330.00	0.90	0.10	29.70			
		1.00	330.00	0.90	0.10	29.70			
		1.00	330.00	0.90	0.10	29.70			
		1.00	330.00	0.90	0.10	29.70			
	Basic rate	5046.00							
	Area weightage 6%	302.76							
	Sub total	**5348.76**							
						679.59	**Cum**	**5348.76**	**3634963.81**
6	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, / . laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling , the form work as per drawing) & spreading the concrete with shovels, - rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications.M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine cum aggregate @ 0.46cum)(P.No-181, I No-22.6.1)								
	Kattigenahalli								
	Concrete road								
	Cross roads	1.00	60.00	0.90	0.15	8.10			
	Cross roads	1.00	52.00	0.90	0.15	7.02			
	Cross roads	1.00	35.00	0.90	0.15	4.73			
	Cross roads	1.00	95.00	0.90	0.15	12.83			
	Cross roads	1.00	160.00	0.90	0.15	21.60			
	Cross roads	1.00	45.00	0.90	0.15	6.08			
	Cross roads	1.00	70.00	0.90	0.15	9.45			
	Cross roads	1.00	56.00	0.90	0.15	7.56			
		1.00	240.00	0.90	0.15	32.40			
		1.00	240.00	0.90	0.15	32.40			
		1.00	240.00	0.90	0.15	32.40			
		1.00	240.00	0.90	0.15	32.40			
		1.00	240.00	0.90	0.15	32.40			
		1.00	240.00	0.90	0.15	32.40			
		1.00	240.00	0.90	0.15	32.40			
		1.00	240.00	0.90	0.15	32.40			
		1.00	240.00	0.90	0.15	32.40			
		1.00	240.00	0.90	0.15	32.40			
	Palanahalli								
	Cross roads	1.00	90.00	0.90	0.15	12.15			
	Cross roads	1.00	65.00	0.90	0.15	8.78			
	Cross roads	1.00	78.00	0.90	0.15	10.53			
	Cross roads	1.00	56.00	0.90	0.15	7.56			
	Cross roads	1.00	90.00	0.90	0.15	12.15			
	Cross roads	1.00	65.00	0.90	0.15	8.78			

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Koornagar								
Main road	1.00	208.00	0.90	0.15	28.08			
1ST Cross	1.00	69.00	0.90	0.15	9.32			
2nd Cross	1.00	75.00	0.90	0.15	10.13			
3rd Cross	1.00	76.00	0.90	0.15	10.26			
4th Cross	1.00	73.00	0.90	0.15	9.86			
5th Cross	1.00	71.00	0.90	0.15	9.59			
6th Cross	1.00	72.00	0.90	0.15	9.72			
7th Cross	1.00	74.00	0.90	0.15	9.99			
8th Cross	1.00	68.00	0.90	0.15	9.18			
9th Cross	1.00	48.00	0.90	0.15	6.48			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
	1.00	330.00	0.90	0.15	44.55			
Basic rate	5866.00							
Area weightage 6%	351.96							
Sub total	**6217.96**							
					1019.39	**Cum**	**6217.96**	**6338526.24**
Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (P.No-177, I No-22.7)								
Kattigenahalli								
Concrete road								
Cross roads	1.00	60.00	0.90		54.00			
Cross roads	1.00	52.00	0.90		46.80			
Cross roads	1.00	35.00	0.90		31.50			
Cross roads	1.00	95.00	0.90		85.50			
Cross roads	1.00	160.00	0.90		144.00			
Cross roads	1.00	45.00	0.90		40.50			
Cross roads	1.00	70.00	0.90		63.00			
Cross roads	1.00	56.00	0.90		50.40			
	1.00	240.00	0.90		216.00			
	1.00	240.00	0.90		216.00			
	1.00	240.00	0.90		216.00			
	1.00	240.00	0.90		216.00			
	1.00	240.00	0.90		216.00			
	1.00	240.00	0.90		216.00			
	1.00	240.00	0.90		216.00			
	1.00	240.00	0.90		216.00			
	1.00	240.00	0.90		216.00			
	1.00	240.00	0.90		216.00			
Palanahalli								
Cross roads	1.00	90.00	0.90		81.00			
Cross roads	1.00	65.00	0.90		58.50			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Cross roads	1.00	78.00	0.90		70.20			
	Cross roads	1.00	56.00	0.90		50.40			
	Cross roads	1.00	90.00	0.90		81.00			
	Cross roads	1.00	65.00	0.90		58.50			
	Noornagar								
	Main road	1.00	208.00	0.90		187.20			
	1ST Cross	1.00	69.00	0.90		62.10			
	2nd Cross	1.00	75.00	0.90		67.50			
	3rd Cross	1.00	76.00	0.90		68.40			
	4th Cross	1.00	73.00	0.90		65.70			
	5th Cross	1.00	71.00	0.90		63.90			
	6th Cross	1.00	72.00	0.90		64.80			
	7th Cross	1.00	74.00	0.90		66.60			
	8th Cross	1.00	68.00	0.90		61.20			
	9th Cross	1.00	48.00	0.90		43.20			
		1.00	330.00	0.90		297.00			
		1.00	330.00	0.90		297.00			
		1.00	330.00	0.90		297.00			
		1.00	330.00	0.90		297.00			
		1.00	330.00	0.90		297.00			
		1.00	330.00	0.90		297.00			
		1.00	330.00	0.90		297.00			
		1.00	330.00	0.90		297.00			
		1.00	330.00	0.90		297.00			
		1.00	330.00	0.90		297.00			
	Basic rate	90.00							
	Area weightage 6%	5.40							
	Sub total	**95.40**							
						6795.90	Sqm	95.40	648328.86
								Total Construction Cost	**37271965.02**
								DPR Charges	**344000.00**
								PMC Charges	**384000.00**
								Sub Total	**37999965.02**
								Miscellaneous & Rounding off	**1000034.98**
								GRAND TOTAL	**39000000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017, issue rates and Data Rates.

Assistant Engineer
Yelahanka Project Division
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Project Division,
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division
BBMP Bangalore
11/11/17

Administrative Approval
Accorded For Rs: 390.00 lakhs
Head of A/C P-3112
CE RNO :186/17-18 Dt: 23/3/2018
E.E. (Project)
23/3

Technical Sanction
Accorded For 390.00 lakhs only
Head of A/C P-3112
CER NO :387 Dt: 28/11/17
TA CE (YNK)